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AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled.

The listing of the claims will replace all prior versions, and listing, of claims in the application:

Listing of the Claims

1. **(Currently Amended)** A method for ~~three-dimensional~~ printing of a three-dimensional model in layers, said method comprising:

selectively and separately dispensing a first interface material and a second interface material from a printing head within a given layer, said first interface material and said second interface material being different;

each of said first interface material and said second interface material comprising photopolymer materials; and

curing said first and second interface materials using radiation.

2. **(Currently Amended)** A method according to claim 1, wherein at least one of said first interface material and said second interface material includes reactive acrylates and is curable by the application of radiation.

3. **(Currently Amended)** A method according to claim 1, comprising ejecting said first interface material and said second interface material in [[a]] the given layer in different mix formulations to form a specified type of material.

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4. **(Cancelled)**

5. (Previously Presented) A method according to claim 3, wherein one of said mix formulations of said first interface material and said second interface material forms a model layer.

6. (Previously Presented) A method according to claim 3, wherein one of said mix formulations of said first interface material and said second interface material forms a support layer.

7. (Previously Presented) A method according to claim 3, wherein one of said mix formulations of said first interface material and said second interface material forms a release layer.

8. **(Currently Amended)** A system for three-dimensional printing of a three-dimensional model in layers, said system comprising:

a printing head for selectively and separately dispensing a first interface material and a second interface material within a given layer, said first interface material and said second interface material being different;

each of said first interface material and said second interface material comprising photopolymer material; and

a source of radiation for curing of at least one of said interface materials.

9. (Previously Presented) A system according to claim 8, wherein at least one of said first interface material and said second interface material includes reactive acrylates.

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10. (Original) A system according to claim 8, wherein said printing head is an ink-jet printing head.

11. (Original) A system according to claim 8, wherein said second interface material is curable.

12. (**Currently Amended**) A system according to claim 8, wherein said first interface material and said second interface material are ejected in [[a]] the given layer in different mix formulations to form different types of materials.

13. (Previously Presented) A system according to claim 8, wherein said radiation is selected from a group consisting of ultra-violet radiation, infra-red radiation and E-beam.

14. (Previously Presented) A system according to claim 12, wherein said mix formulations of said first interface material and said second interface material form model layers.

15. (Previously Presented) A system according to claim 12, wherein said mix formulations of said first interface material and said second interface material form support layers.

16. (Previously Presented) A system according to claim 12, wherein said mix formulations of said first interface material and said second interface material form release layers.

17. (**Currently Amended**) A method for three-dimensional printing of a three-dimensional model in layers component, said method comprising:

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selectively and separately dispensing a first interface material and a second interface material within a given layer from at least one printing head, said first interface material and said second interface material being different;

wherein at least one of said first interface material and said second interface material comprises a photopolymer material including reactive acrylates.

18. (Previously Presented) A method according to claim 17, wherein said first interface material and said second interface material are dispensed by one or more inkjet printing heads.

19. (Previously Presented) A method according to claim 17, further comprising curing said photopolymer material using radiation.

20. (Previously Presented) A method according to claim 17, further comprising curing said first interface material and said second interface material using radiation.

21. (Previously Presented) A method according to claim 19, wherein said radiation is selected from a group consisting of ultra-violet radiation, infra-red radiation and E-beam.

22. (Previously Presented) A method according to claim 20, wherein said radiation is selected from a group consisting of ultra-violet radiation, infra-red radiation and E-beam.

23. (**Currently Amended**) A method according to claim 17, wherein said photopolymer material forms the three-dimensional model component.

24. (Previously Presented) A method according to claim 17, wherein said photopolymer material forms a model layer.

25. (Previously Presented) A method according to claim 17, wherein said photopolymer material forms at least part of a support layer.

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26. **(Currently Amended)** A system for three-dimensional printing of a three-dimensional model in layers component, said system comprising:

at least one printing head for selectively and separately dispensing a first interface material and a second interface material within a given layer, said first interface material and said second interface material being different;

wherein at least one of said first interface material and said second interface material comprises a photopolymer material including reactive acrylate; and

a source of radiation for curing at least one of said first interface material and second interface material.

27. (Previously Presented) A system according to claim 26, wherein said at least one printing head is an ink-jet printing head.

28. **(Currently Amended)** A system according to claim 26, wherein said first interface material and said second interface material are ejected in [[a]] the given layer in different mix formulations.

29. (Previously Presented) A system according to claim 28, wherein said mix formulations form different types of material.

30. (Previously Presented) A system according to claim 28, wherein said mix formulations form a model layer.

31. (Previously Presented) A system according to claim 28, wherein said mix formulations form a support layer.

32. (Previously Presented) A system according to claim 28, wherein said mix formulations form a release layer.

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33. (Previously Presented) A system according to claim 26, wherein said radiation is selected from a group consisting of ultra-violet radiation, infra-red radiation and E-beam

34. (Currently Amended) A method according to claim 1 [[4]], wherein curing said first and second interface materials comprises using ultra-violet radiation, infra-red radiation or E-beam.